



July 20, 2021

Bridgett Carver  
Surface Water Quality Division  
Michigan Department of EGLE  
301 East Louis Glick Highway  
Jackson, Michigan 49201

**Re: Monitoring Report #290  
June 1 – June 30, 2021**

Dear Ms. Carver:

Pursuant to the National Pollutant Discharge Elimination System (NPDES) Permit No. MI0048453, please find the enclosed Monitoring Report for the period of June 1 through June 30, 2021.

Should you have any questions or concerns regarding this report, please contact me at 269-993-7585.

Sincerely,

FLEIS & VANDENBRINK

A handwritten signature in blue ink, appearing to read "Jim Brode", is positioned above the printed name and title.

Jim Brode, CPG  
Senior Project Manager

cc: Dan Hamel, EGLE  
Supervisor, Scio Twp.  
City of Ann Arbor

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## **EXTRACTION DATA**

- TABLE #1 - UNIT "D2" UPGRADIENT EXTRACTION DATA**
- TABLE #2 - UNIT "D2" DOWNGRADIENT EXTRACTION DATA**
- TABLE #3 - CORE AREA EXTRACTION DATA**
- TABLE #4 - MARSHY AREA EXTRACTION DATA**
- TABLE #5 - SOUTHWEST AREA EXTRACTION DATA**
- TABLE #6 - UNIT "E" EXTRACTION DATA**
- TABLE #7 - LITTLE LAKE AREA SYSTEM DATA**
- TABLE #8 - INDIVIDUAL PURGE WELL CONCENTRATIONS**
- TABLE #9 - RED POND DATA**
- TABLE #10 - RED POND CONCENTRATIONS**

## **OZONE OPERATION DATA**

- TABLE #11 - OZONE OPERATION REPORT**

## **DISCHARGE DATA**

- TABLE #12 - GREEN POND / DISCHARGE DATA**
- TABLE #13 - DAILY DISCHARGE MONITORING REPORT**

**TABLE #1**

**UNIT D2 UPGRADE EXTRACTION DATA**

Month of: **Jun-21**

Date	Horizontal Well Extraction			TW-9			TW-5			TW-21			Daily Flow	Daily Total
	HW-S Gallons	GPM	Run Hrs.	TW-9 Gallons	GPM	Run Hrs.	TW-5 Gallons	GPM	Run Hrs.	TW-21 Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-6/1/21	-	-	-	-	-	-	-	-	-	144,356	100	24.00	100	144,356
Wed-6/2/21	-	-	-	-	-	-	-	-	-	144,284	100	24.00	100	144,284
Thu-6/3/21	-	-	-	-	-	-	-	-	-	144,358	100	24.00	100	144,358
Fri-6/4/21	-	-	-	-	-	-	-	-	-	144,391	100	24.00	100	144,391
Sat-6/5/21	-	-	-	-	-	-	-	-	-	144,425	100	24.00	100	144,425
Sun-6/6/21	-	-	-	-	-	-	-	-	-	144,416	100	24.00	100	144,416
Mon-6/7/21	-	-	-	-	-	-	-	-	-	144,401	100	24.00	100	144,401
Tue-6/8/21	-	-	-	-	-	-	-	-	-	121,728	85	24.00	85	121,728
Wed-6/9/21	-	-	-	-	-	-	-	-	-	144,437	100	24.00	100	144,437
Thu-6/10/21	-	-	-	-	-	-	-	-	-	144,426	100	24.00	100	144,426
Fri-6/11/21	-	-	-	-	-	-	-	-	-	144,434	100	24.00	100	144,434
Sat-6/12/21	-	-	-	-	-	-	-	-	-	144,408	100	24.00	100	144,408
Sun-6/13/21	-	-	-	-	-	-	-	-	-	144,392	100	24.00	100	144,392
Mon-6/14/21	-	-	-	-	-	-	-	-	-	144,360	100	24.00	100	144,360
Tue-6/15/21	-	-	-	-	-	-	-	-	-	144,344	100	24.00	100	144,344
Wed-6/16/21	-	-	-	-	-	-	-	-	-	144,330	100	24.00	100	144,330
Thu-6/17/21	-	-	-	-	-	-	-	-	-	144,370	100	24.00	100	144,370
Fri-6/18/21	-	-	-	-	-	-	-	-	-	144,382	100	24.00	100	144,382
Sat-6/19/21	-	-	-	-	-	-	-	-	-	144,372	100	24.00	100	144,372
Sun-6/20/21	-	-	-	-	-	-	-	-	-	144,382	100	24.00	100	144,382
Mon-6/21/21	-	-	-	-	-	-	-	-	-	144,362	100	24.00	100	144,362
Tue-6/22/21	-	-	-	-	-	-	-	-	-	144,311	100	24.00	100	144,311
Wed-6/23/21	-	-	-	-	-	-	-	-	-	144,299	100	24.00	100	144,299
Thu-6/24/21	-	-	-	-	-	-	-	-	-	144,390	100	24.00	100	144,390
Fri-6/25/21	-	-	-	-	-	-	-	-	-	144,361	100	24.00	100	144,361
Sat-6/26/21	-	-	-	-	-	-	-	-	-	144,406	100	24.00	100	144,406
Sun-6/27/21	-	-	-	-	-	-	-	-	-	144,424	100	24.00	100	144,424
Mon-6/28/21	-	-	-	-	-	-	-	-	-	144,443	100	24.00	100	144,443
Tue-6/29/21	-	-	-	-	-	-	-	-	-	144,420	100	24.00	100	144,420
Wed-6/30/21	-	-	-	-	-	-	-	-	-	144,405	100	24.00	100	144,405
<b>TOTALS</b>	-	-	-	-	-	-	-	-	-	<b>4,308,817</b>	<b>100</b>	<b>720.00</b>	<b>100</b>	<b>4,308,817</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,308,817 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>30 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>99.74 GPM</b>

**UNIT D2 DOWNGRADIENT EXTRACTION DATA**

**Month of: Jun-21**

Date	LB-1			LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-6/1/21	-	-	-	144,219	100	24.00	100	144,219
Wed-6/2/21	-	-	-	144,214	100	24.00	100	144,214
Thu-6/3/21	-	-	-	144,189	100	24.00	100	144,189
Fri-6/4/21	-	-	-	144,199	100	24.00	100	144,199
Sat-6/5/21	-	-	-	144,196	100	24.00	100	144,196
Sun-6/6/21	-	-	-	144,174	100	24.00	100	144,174
Mon-6/7/21	-	-	-	144,203	100	24.00	100	144,203
Tue-6/8/21	-	-	-	144,219	100	24.00	100	144,219
Wed-6/9/21	-	-	-	144,232	100	24.00	100	144,232
Thu-6/10/21	-	-	-	144,188	100	24.00	100	144,188
Fri-6/11/21	-	-	-	144,218	100	24.00	100	144,218
Sat-6/12/21	-	-	-	144,197	100	24.00	100	144,197
Sun-6/13/21	-	-	-	144,158	100	24.00	100	144,158
Mon-6/14/21	-	-	-	144,201	100	24.00	100	144,201
Tue-6/15/21	-	-	-	144,214	100	24.00	100	144,214
Wed-6/16/21	-	-	-	144,229	100	24.00	100	144,229
Thu-6/17/21	-	-	-	144,209	100	24.00	100	144,209
Fri-6/18/21	-	-	-	144,191	100	24.00	100	144,191
Sat-6/19/21	-	-	-	144,213	100	24.00	100	144,213
Sun-6/20/21	-	-	-	144,163	100	24.00	100	144,163
Mon-6/21/21	-	-	-	144,216	100	24.00	100	144,216
Tue-6/22/21	-	-	-	144,232	100	24.00	100	144,232
Wed-6/23/21	-	-	-	144,212	100	24.00	100	144,212
Thu-6/24/21	-	-	-	144,224	100	24.00	100	144,224
Fri-6/25/21	-	-	-	144,198	100	24.00	100	144,198
Sat-6/26/21	-	-	-	144,186	100	24.00	100	144,186
Sun-6/27/21	-	-	-	144,182	100	24.00	100	144,182
Mon-6/28/21	-	-	-	144,169	100	24.00	100	144,169
Tue-6/29/21	-	-	-	144,206	100	24.00	100	144,206
Wed-6/30/21	-	-	-	144,222	100	24.00	100	144,222
TOTALS	-	-	-	4,326,073	100	720.00	100	4,326,073

TOTAL VOLUME EXTRACTED :	4,326,073 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	100.14 GPM

**TABLE #3**

**CORE AREA EXTRACTION DATA**

Month of: Jun-21

Core Area Well Extraction																			Daily	Daily
Date	TW-1			TW-2 (Dolph)			TW-3			TW-10			TW-14			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-6/1/21	-	-	-	57,694	40	24.00	-	-	-	-	-	-	-	-	29,064	20	24.00	60	86,758	
Wed-6/2/21	-	-	-	57,682	40	24.00	-	-	-	-	-	-	-	-	29,040	20	24.00	60	86,722	
Thu-6/3/21	-	-	-	57,713	40	24.00	-	-	-	-	-	-	-	-	29,011	20	24.00	60	86,724	
Fri-6/4/21	-	-	-	57,659	40	24.00	-	-	-	-	-	-	-	-	28,817	20	24.00	60	86,476	
Sat-6/5/21	-	-	-	57,644	40	24.00	-	-	-	-	-	-	-	-	12,195	20	10.22	48	69,839	
Sun-6/6/21	-	-	-	57,638	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,638	
Mon-6/7/21	-	-	-	57,642	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,642	
Tue-6/8/21	-	-	-	57,718	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,718	
Wed-6/9/21	-	-	-	57,707	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,707	
Thu-6/10/21	-	-	-	57,650	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,650	
Fri-6/11/21	-	-	-	57,668	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,668	
Sat-6/12/21	-	-	-	57,649	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,649	
Sun-6/13/21	-	-	-	51,903	40	21.60	-	-	-	-	-	-	-	-	-	-	-	36	51,903	
Mon-6/14/21	-	-	-	57,651	40	24.00	-	-	-	-	-	-	-	-	20,293	20	16.93	54	77,944	
Tue-6/15/21	-	-	-	57,667	40	24.00	-	-	-	-	-	-	-	-	28,654	20	24.00	60	86,321	
Wed-6/16/21	-	-	-	57,666	40	24.00	-	-	-	-	-	-	-	-	28,636	20	24.00	60	86,302	
Thu-6/17/21	-	-	-	57,678	40	24.00	-	-	-	-	-	-	-	-	28,856	20	24.00	60	86,534	
Fri-6/18/21	-	-	-	57,645	40	24.00	-	-	-	-	-	-	-	-	28,766	20	24.00	60	86,411	
Sat-6/19/21	-	-	-	57,683	40	24.00	-	-	-	-	-	-	-	-	29,248	20	24.00	60	86,931	
Sun-6/20/21	-	-	-	57,660	40	24.00	-	-	-	-	-	-	-	-	29,143	20	24.00	60	86,803	
Mon-6/21/21	-	-	-	57,690	40	24.00	-	-	-	-	-	-	-	-	18,812	13	24.00	53	76,502	
Tue-6/22/21	-	-	-	57,671	40	24.00	-	-	-	-	-	-	-	-	14,238	10	24.00	50	71,909	
Wed-6/23/21	-	-	-	57,689	40	24.00	-	-	-	-	-	-	-	-	14,282	10	24.00	50	71,971	
Thu-6/24/21	-	-	-	57,642	40	24.00	-	-	-	-	-	-	-	-	14,254	10	24.00	50	71,896	
Fri-6/25/21	-	-	-	57,648	40	24.00	-	-	-	-	-	-	-	-	14,248	10	24.00	50	71,896	
Sat-6/26/21	-	-	-	57,634	40	24.00	-	-	-	-	-	-	-	-	14,479	10	24.00	50	72,113	
Sun-6/27/21	-	-	-	57,714	40	24.00	-	-	-	-	-	-	-	-	14,576	10	24.00	50	72,290	
Mon-6/28/21	-	-	-	57,630	40	24.00	-	-	-	-	-	-	-	-	4,565	10	7.53	43	62,195	
Tue-6/29/21	-	-	-	57,666	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,666	
Wed-6/30/21	-	-	-	57,653	40	24.00	-	-	-	-	-	-	-	-	-	-	-	40	57,653	
<b>TOTALS</b>	-	-	-	<b>1,724,254</b>	<b>40</b>	<b>717.60</b>	-	-	-	-	-	-	-	-	<b>431,177</b>	<b>16</b>	<b>442.68</b>	<b>50</b>	<b>2,155,431</b>	

TOTAL VOLUME EXTRACTED :	2,155,431 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	49.89 GPM

6/5/21-6/14/21 - TW-20 was shut down to control pond level.  
 6/13/21 - TW-2 was shut down due to communication loss from Comcast outage in the area.  
 6/28/21-6/30/21 - TW-20 was shut down to control pond level.

**MARSHY AREA EXTRACTION DATA**

Month of: **Jun-21**

Marshy Well Extraction				Daily	Daily
Date	PW-1 Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-6/1/21	6,118	4	24.00	4	6,118
Wed-6/2/21	6,066	4	24.00	4	6,066
Thu-6/3/21	6,088	4	24.00	4	6,088
Fri-6/4/21	6,059	4	24.00	4	6,059
Sat-6/5/21	6,153	4	24.00	4	6,153
Sun-6/6/21	6,194	4	24.00	4	6,194
Mon-6/7/21	5,287	4	20.20	4	5,287
Tue-6/8/21	6,314	4	24.00	4	6,314
Wed-6/9/21	6,335	4	24.00	4	6,335
Thu-6/10/21	6,296	4	24.00	4	6,296
Fri-6/11/21	6,225	4	24.00	4	6,225
Sat-6/12/21	6,127	4	24.00	4	6,127
Sun-6/13/21	6,115	4	24.00	4	6,115
Mon-6/14/21	6,032	4	24.00	4	6,032
Tue-6/15/21	5,901	4	24.00	4	5,901
Wed-6/16/21	5,766	4	24.00	4	5,766
Thu-6/17/21	5,618	4	24.00	4	5,618
Fri-6/18/21	5,614	4	24.00	4	5,614
Sat-6/19/21	5,573	4	24.00	4	5,573
Sun-6/20/21	5,416	4	24.00	4	5,416
Mon-6/21/21	5,594	4	24.00	4	5,594
Tue-6/22/21	5,230	4	24.00	4	5,230
Wed-6/23/21	5,063	4	24.00	4	5,063
Thu-6/24/21	5,113	4	24.00	4	5,113
Fri-6/25/21	5,318	4	24.00	4	5,318
Sat-6/26/21	5,389	4	24.00	4	5,389
Sun-6/27/21	4,855	3	24.00	3	4,855
Mon-6/28/21	5,040	4	24.00	4	5,040
Tue-6/29/21	5,286	4	24.00	4	5,286
Wed-6/30/21	5,382	4	24.00	4	5,382
	-		-		-
<b>TOTALS</b>	<b>171,567</b>	<b>4</b>	<b>716.20</b>	<b>4</b>	<b>171,567</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>171,567 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>30 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>3.97 GPM</b>

6/7/21 - PW-1 was shut down briefly due to communication loss.

**SOUTHWEST AREA EXTRACTION DATA**

Month of: **Jun-21**

SouthWest Well Extraction							Daily	Daily
Date	TW22			TW28			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-6/1/21	4,770	5	16.60	20,004	20	16.62	17	24,774
Wed-6/2/21	6,773	5	24.00	28,667	20	24.00	25	35,440
Thu-6/3/21	6,583	5	23.93	28,699	20	24.00	25	35,282
Fri-6/4/21	5,673	4	22.12	30,052	21	24.00	25	35,725
Sat-6/5/21	5,822	4	24.00	27,447	19	24.00	23	33,269
Sun-6/6/21	6,155	4	23.98	21,211	15	24.00	19	27,366
Mon-6/7/21	6,214	4	24.00	19,397	13	24.00	18	25,611
Tue-6/8/21	6,250	4	24.00	17,437	12	24.00	16	23,687
Wed-6/9/21	6,256	4	24.00	17,432	12	24.00	16	23,688
Thu-6/10/21	6,233	4	24.00	17,353	12	24.00	16	23,586
Fri-6/11/21	6,254	4	24.00	17,279	12	24.00	16	23,533
Sat-6/12/21	6,207	4	24.00	17,280	12	24.00	16	23,487
Sun-6/13/21	5,681	4	22.97	20,070	14	24.00	18	25,751
Mon-6/14/21	5,349	4	22.85	26,644	19	24.00	22	31,993
Tue-6/15/21	3,392	4	14.33	28,619	20	24.00	22	32,011
Wed-6/16/21	2,999	4	12.37	28,626	20	24.00	22	31,625
Thu-6/17/21	4,100	4	17.03	28,727	20	24.00	23	32,827
Fri-6/18/21	5,558	4	23.90	28,696	20	24.00	24	34,254
Sat-6/19/21	1,217	4	5.30	28,701	20	24.00	21	29,918
Sun-6/20/21	855	4	3.45	28,694	20	24.00	21	29,549
Mon-6/21/21	5,676	4	23.97	28,684	20	24.00	24	34,360
Tue-6/22/21	4,291	4	18.97	28,661	20	24.00	23	32,952
Wed-6/23/21	3,986	4	17.05	28,841	20	24.00	23	32,827
Thu-6/24/21	4,458	4	19.20	28,689	20	24.00	23	33,147
Fri-6/25/21	4,553	4	18.98	28,653	20	24.00	23	33,206
Sat-6/26/21	5,496	4	23.97	28,685	20	24.00	24	34,181
Sun-6/27/21	5,382	4	23.98	28,708	20	24.00	24	34,090
Mon-6/28/21	5,270	4	23.93	28,733	20	24.00	24	34,003
Tue-6/29/21	5,234	4	23.95	28,714	20	24.00	24	33,948
Wed-6/30/21	5,253	4	23.90	28,687	20	24.00	24	33,940
	-		-	-		-		
<b>TOTALS</b>	<b>151,940</b>	<b>4</b>	<b>618.73</b>	<b>768,090</b>	<b>18</b>	<b>712.62</b>	<b>21</b>	<b>920,030</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>920,030 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>30 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>21.30 GPM</b>

6/1/21 - TW-22 and TW-28 were shut down due to communication loss from Comcast outage in the area.  
 6/4/21 - TW-22 was shut down briefly due to communication loss.  
 6/13/21-6/17/21 - TW-22 was shut down due to communication loss.  
 6/19/21-6/20/21 - TW-22 was shut down due to communication loss.  
 6/22/21-6/25/21 - TW-22 was shut down due to communication loss.

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: Jun-21

Date	TW-11			TW-17			TW-18			TW-19			TW-23			Daily Flow GPM	Daily Total Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Tue-6/1/21	-	-	-	-	-	-	147,571	102	24.00	-	-	-	144,427	100	24.00	203	291,998
Wed-6/2/21	-	-	-	-	-	-	147,683	103	24.00	-	-	-	144,436	100	24.00	203	292,119
Thu-6/3/21	-	-	-	-	-	-	147,711	103	24.00	-	-	-	144,105	100	24.00	203	291,816
Fri-6/4/21	-	-	-	-	-	-	147,772	103	24.00	-	-	-	144,066	100	24.00	203	291,838
Sat-6/5/21	-	-	-	-	-	-	147,781	103	24.00	-	-	-	144,016	100	24.00	203	291,797
Sun-6/6/21	-	-	-	-	-	-	147,771	103	24.00	-	-	-	144,032	100	24.00	203	291,803
Mon-6/7/21	-	-	-	-	-	-	147,737	103	24.00	-	-	-	143,954	100	24.00	203	291,671
Tue-6/8/21	-	-	-	-	-	-	124,659	87	24.00	-	-	-	143,979	100	24.00	187	268,638
Wed-6/9/21	-	-	-	-	-	-	147,813	103	24.00	-	-	-	144,120	100	24.00	203	291,933
Thu-6/10/21	-	-	-	-	-	-	147,806	103	24.00	-	-	-	144,179	100	24.00	203	291,985
Fri-6/11/21	-	-	-	-	-	-	147,806	103	24.00	-	-	-	144,133	100	24.00	203	291,939
Sat-6/12/21	-	-	-	-	-	-	147,777	103	24.00	-	-	-	144,020	100	24.00	203	291,797
Sun-6/13/21	-	-	-	-	-	-	147,694	103	24.00	-	-	-	144,056	100	24.00	203	291,750
Mon-6/14/21	-	-	-	-	-	-	147,637	103	24.00	-	-	-	143,982	100	24.00	203	291,619
Tue-6/15/21	-	-	-	-	-	-	147,678	103	24.00	-	-	-	144,012	100	24.00	203	291,690
Wed-6/16/21	-	-	-	-	-	-	147,680	103	24.00	-	-	-	144,075	100	24.00	203	291,755
Thu-6/17/21	-	-	-	-	-	-	147,773	103	24.00	-	-	-	143,975	100	24.00	203	291,748
Fri-6/18/21	-	-	-	-	-	-	147,769	103	24.00	-	-	-	144,279	100	24.00	203	292,048
Sat-6/19/21	-	-	-	-	-	-	147,799	103	24.00	-	-	-	144,112	100	24.00	203	291,911
Sun-6/20/21	-	-	-	-	-	-	147,722	103	24.00	-	-	-	144,106	100	24.00	203	291,828
Mon-6/21/21	-	-	-	-	-	-	147,668	103	24.00	-	-	-	144,268	100	24.00	203	291,936
Tue-6/22/21	-	-	-	-	-	-	147,615	103	24.00	-	-	-	144,022	100	24.00	203	291,637
Wed-6/23/21	-	-	-	-	-	-	147,657	103	24.00	-	-	-	144,038	100	24.00	203	291,695
Thu-6/24/21	-	-	-	-	-	-	147,729	103	24.00	-	-	-	143,787	100	24.00	202	291,516
Fri-6/25/21	-	-	-	-	-	-	147,725	103	24.00	-	-	-	143,985	100	23.95	203	291,710
Sat-6/26/21	-	-	-	-	-	-	147,693	103	24.00	-	-	-	144,155	100	24.00	203	291,848
Sun-6/27/21	-	-	-	-	-	-	147,661	103	24.00	-	-	-	144,169	100	24.00	203	291,830
Mon-6/28/21	-	-	-	-	-	-	147,512	102	24.00	-	-	-	144,007	100	24.00	202	291,519
Tue-6/29/21	-	-	-	-	-	-	147,481	102	24.00	-	-	-	144,177	100	24.00	203	291,658
Wed-6/30/21	-	-	-	-	-	-	147,437	102	24.00	-	-	-	144,370	100	24.00	203	291,807
TOTALS	-	-	-	-	-	-	4,407,817	102	720.00	-	-	-	4,323,022	100	719.96	202	8,730,839

TOTAL VOLUME EXTRACTED :	8,730,839 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	202.10 GPM

6/1/21-6/30/21 - TW-19 was shut down due to permanent damage. The well is in the process of being replaced.



**TABLE #7**

**Little Lake Area System**

MW-53i	
Date	1,4-Dioxane ug/L
03/04/21	50
04/07/21	35
05/10/21	31
06/01/21	46

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
03/04/21	46
04/07/21	43
05/10/21	45
06/01/21	43

Date	Gallons Purged
6/30/2021	18,000

**TABLE #8**

**INDIVIDUAL PURGE WELL CONCENTRATIONS**

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
DOLPH-06-04-21-10:00-1	06/04/21	150
TW-20-06-04-21-10:05-1	06/04/21	850
TW-20-06-14-21-11:30-1	06/14/21	820
LB-4-06-04-21-08:50-1	06/04/21	570
TW-21-06-04-21-09:45-1	06/04/21	320
TW-18-06-04-21-09:50-1	06/04/21	230
TW-23-06-04-21-08:55-1	06/04/21	420
PW-1-06-04-21-09:55-1	06/04/21	780
TW-22-06-04-21-10:10-1	06/04/21	560
TW-28-06-04-21-10:15-1	06/04/21	790

**RED POND DATA**

**Month of: Jun-21**

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Tue-6/1/21	04:00:00.000		Y	4.0	-	24.00	485
Wed-6/2/21	04:00:00.000		Y	4.1	-	24.00	492
Thu-6/3/21	04:00:00.000		Y	4.2	-	24.00	492
Fri-6/4/21	04:00:00.000		Y	4.8	-	24.00	492
Sat-6/5/21	04:00:00.000	(1)		5.2	-	24.00	479
Sun-6/6/21	04:00:00.000	(1)		5.3	-	24.00	466
Mon-6/7/21	04:00:00.000		Y	5.2	-	24.00	464
Tue-6/8/21	04:00:00.000		Y	4.7	-	24.00	432
Wed-6/9/21	04:00:00.000		Y	5.3	-	24.00	464
Thu-6/10/21	04:00:00.000		Y	5.1	-	24.00	464
Fri-6/11/21	04:00:00.000		Y	4.9	-	24.00	464
Sat-6/12/21	04:00:00.000	(1)		4.6	-	24.00	464
Sun-6/13/21	04:00:00.000	(1)		4.4	-	24.00	461
Mon-6/14/21	04:00:00.000		Y	4.6	-	24.00	483
Tue-6/15/21	04:00:00.000		Y	4.7	-	24.00	489
Wed-6/16/21	04:00:00.000		Y	4.8	-	24.00	489
Thu-6/17/21	04:00:00.000		Y	4.8	-	24.00	490
Fri-6/18/21	04:00:00.000		Y	4.9	-	24.00	491
Sat-6/19/21	04:00:00.000	(1)		4.9	-	24.00	488
Sun-6/20/21	04:00:00.000	(1)		5.0	-	24.00	488
Mon-6/21/21	04:00:00.000		Y	5.3	-	24.00	484
Tue-6/22/21	04:00:00.000		Y	5.4	-	24.00	479
Wed-6/23/21	04:00:00.000		Y	5.4	-	24.00	479
Thu-6/24/21	04:00:00.000		Y	5.3	-	24.00	479
Fri-6/25/21	04:00:00.000		Y	5.6	-	24.00	480
Sat-6/26/21	04:00:00.000	(1)		5.6	-	24.00	481
Sun-6/27/21	04:00:00.000	(1)		5.6	-	24.00	480
Mon-6/28/21	04:00:00.000		Y	5.6	-	24.00	473
Tue-6/29/21	04:00:00.000		Y	5.8	-	24.00	470
Wed-6/30/21	04:00:00.000		Y	5.8	-	24.00	470
<b>TOTALS</b>			-	-	-	720	-

Daily readings are collected by the Operator at various times of the day, resulting in varied readings and calculations.

(1) Manual readings were not taken due to weekend and/or holiday.

**TABLE #10**

**RED POND CONCENTRATIONS**

Concentrations of 1,4-Dioxane found in the Red Pond

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
Red Pond-06-01-21-07:50-1	6/1/2021	400
Red Pond-06-07-21-07:25-1	6/7/2021	370
Red Pond-06-14-21-07:30-1	6/14/2021	350
Red Pond-06-21-21-08:00-1	6/21/2021	350
Red Pond-06-28-21-07:55-1	6/28/2021	360

Analyte value quantified from a dilution, reporting limit is raised to reflect dilution

**OZONE OPERATION REPORT**

Month of: Jun-21

Date	Time	Notes	SYSTEM-1A		SYSTEM-1B		SYSTEM-2A		SYSTEM-2B	
			Flow GPM	Run Hours	Flow GPM	Run Hours	Flow GPM	Run Hours	Flow GPM	Run Hours
Tue-6/1/21	14:00:00.00		240	23.82	0	0.00	239	24.00	0	0.00
Wed-6/2/21	14:00:00.00		240	24.00	0	0.00	241	24.00	0	0.00
Thu-6/3/21	14:00:00.00		241	23.93	0	0.00	240	24.00	0	0.00
Fri-6/4/21	14:00:00.00		241	21.15	0	0.00	240	23.53	0	0.00
Sat-6/5/21	14:00:00.00	(1)	241	21.13	0	0.00	240	23.82	0	0.00
Sun-6/6/21	14:00:00.00	(1)	240	22.93	0	0.00	240	24.00	0	0.00
Mon-6/7/21	14:00:00.00		241	22.08	0	0.00	240	23.90	0	0.00
Tue-6/8/21	14:00:00.00		240	23.85	0	0.00	239	23.35	0	0.00
Wed-6/9/21	14:00:00.00		241	20.62	0	0.00	243	21.52	0	0.00
Thu-6/10/21	14:00:00.00		240	24.00	0	0.00	242	23.53	0	0.00
Fri-6/11/21	14:00:00.00		241	24.00	0	0.00	242	24.00	0	0.00
Sat-6/12/21	14:00:00.00	(1)	241	24.00	0	0.00	239	24.00	0	0.00
Sun-6/13/21	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-6/14/21	14:00:00.00		240	24.00	0	0.00	240	23.12	0	0.00
Tue-6/15/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Wed-6/16/21	14:00:00.00		241	24.00	0	0.00	239	24.00	0	0.00
Thu-6/17/21	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Fri-6/18/21	14:00:00.00		241	24.00	0	0.00	243	24.00	0	0.00
Sat-6/19/21	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-6/20/21	14:00:00.00	(1)	241	24.00	0	0.00	239	24.00	0	0.00
Mon-6/21/21	14:00:00.00		241	24.00	0	0.00	236	23.33	0	0.00
Tue-6/22/21	14:00:00.00		240	24.00	0	0.00	237	24.00	0	0.00
Wed-6/23/21	14:00:00.00		241	24.00	0	0.00	237	24.00	0	0.00
Thu-6/24/21	14:00:00.00		241	24.00	0	0.00	236	24.00	0	0.00
Fri-6/25/21	14:00:00.00		241	24.00	0	0.00	239	24.00	0	0.00
Sat-6/26/21	14:00:00.00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Sun-6/27/21	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Mon-6/28/21	14:00:00.00		240	23.77	0	0.00	240	24.00	0	0.00
Tue-6/29/21	14:00:00.00		240	24.00	0	0.00	241	24.00	0	0.00
Wed-6/30/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00

Daily readings are collected by the Operator at various times of the day, resulting in varied readings and calculations.

(1) Manual readings were not taken due to weekend and/or holiday.

6/4/21-6/7/21 - Treatment System 1A was shut down for maintenance.

6/9/21 - Treatment was shut down briefly for maintenance.



**TABLE #13**  
**Daily Discharge Monitoring Report**

	(Daily)	(Annually)	(Annually)	(Effluent - Outfall)	(Influent - Red Pond)	(Effluent - Outfall)	(Effluent - Outfall)	(Weekly)	(2 x Week)	(4 x Week)	(4 x Week)	(5 X Week)	(2 X Week)
PARAMETER NAME	Flow	Total Barium	Total Barium	1,4-Dioxane	1,4-Dioxane	Hydrogen Peroxide	Hydrogen Peroxide	Outfall Observation	Equipment Inspection	pH (Min. Daily)	pH (Max. Daily)	Bromate	Sodium Bisulfite Dose Rate
PARAMETER CODE	50050	1007	1007	82388	82388	00139	00139	84130	46478	00400	00400	99814	99798
MONITORING PT.	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE CODE	1	1	1	1	G	1	1	1	1	1	1	1	1
UNIT	MGD	ug/l	lbs/day	ug/l	mg/l	ug/l	lbs/day	yes/no	yes/no	S.U.	S.U.	ug/l	mg/l
6/1/2021	0.711	*G	*G	7.6	0.400	<50	<0.16	yes	yes	6.9	6.9	11	
6/2/2021	0.717			7.1		<50	<0.16	no	no	6.7	6.7	9.4	42
6/3/2021	0.715			6.8		<50	<0.16	no	yes	6.7	6.7	11	
6/4/2021	0.660					<50	<0.16	no	no	7.0	7.0		
6/5/2021	0.666												
6/6/2021	0.698			6.0								9.4	
6/7/2021	0.683			6.4	0.370	<50	<0.16	yes	yes	6.9	6.9	9.6	38
6/8/2021	0.701			6.7		<50	<0.16	no	no	6.9	6.9	10	
6/9/2021	0.626			5.2		<50	<0.16	no	yes	6.9	6.9	10	42
6/10/2021	0.709			4.8		<50	<0.16	no	no	7.0	7.0	8.2	
6/11/2021	0.718					<50	<0.16	no	no	6.7	6.7		
6/12/2021	0.718												
6/13/2021	0.718			5.1								9.5	
6/14/2021	0.704			6.4	0.350	<50	<0.16	yes	yes	6.8	6.8	9.6	48
6/15/2021	0.718			6.0		<50	<0.16	no	no	6.6	6.6	12	
6/16/2021	0.718			6.0		<50	<0.16	no	yes	6.9	6.9	10	38
6/17/2021	0.718			6.0		<50	<0.16	no	no	6.9	6.9	8.2	
6/18/2021	0.719					<50	<0.16	no	no	6.9	6.9		
6/19/2021	0.719												
6/20/2021	0.719			6.0								9.4	
6/21/2021	0.707			5.7	0.350	<50	<0.16	yes	yes	6.9	6.9	8.9	40
6/22/2021	0.710			7.0		<50	<0.16	no	no	6.9	6.9	9.1	
6/23/2021	0.717			6.3		<50	<0.16	no	yes	6.9	6.9	9.0	44
6/24/2021	0.717			8.0		<50	<0.16	no	no	6.9	6.9	7.6	
6/25/2021	0.718					<50	<0.16	no	no	6.7	6.7		
6/26/2021	0.718												
6/27/2021	0.718			6.0								8.4	
6/28/2021	0.713			7.0	0.360	<50	<0.16	yes	yes	6.8	6.8	9.0	42
6/29/2021	0.683			6.0		<50	<0.16	no	no	6.8	6.8	8.5	
6/30/2021	0.718			6.0		<50	<0.16	no	yes	6.8	6.8	9.6	36
<b>Discharged</b>	<b>21.175</b>												
<b>Monthly Avg</b>				<b>6.3</b>								<b>9.4</b>	